

## **Abstract**

A starter catalyst for the purification of the exhaust gases from internal combustion engines, which include palladium on aluminum oxide and of barium oxide, as well as a process for its production. The barium oxide and palladium are together deposited in a finely divided state on the supporting material aluminum oxide and the average particle size of the palladium crystallites is between 3 and 7 nm. The small crystallite size of palladium and the barium oxide likewise deposited in finely divided state on the supporting material impart to the catalyst a high activity and long-term stability to high temperature stresses.

100-200-300-400-500-600-700-800-900-1000-1100-1200-1300-1400-1500-1600-1700-1800-1900-2000-2100-2200-2300-2400-2500-2600-2700-2800-2900-3000-3100-3200-3300-3400-3500-3600-3700-3800-3900-4000-4100-4200-4300-4400-4500-4600-4700-4800-4900-5000-5100-5200-5300-5400-5500-5600-5700-5800-5900-6000-6100-6200-6300-6400-6500-6600-6700-6800-6900-7000-7100-7200-7300-7400-7500-7600-7700-7800-7900-8000-8100-8200-8300-8400-8500-8600-8700-8800-8900-9000-9100-9200-9300-9400-9500-9600-9700-9800-9900-10000-10100-10200-10300-10400-10500-10600-10700-10800-10900-11000-11100-11200-11300-11400-11500-11600-11700-11800-11900-12000-12100-12200-12300-12400-12500-12600-12700-12800-12900-13000-13100-13200-13300-13400-13500-13600-13700-13800-13900-14000-14100-14200-14300-14400-14500-14600-14700-14800-14900-15000-15100-15200-15300-15400-15500-15600-15700-15800-15900-16000-16100-16200-16300-16400-16500-16600-16700-16800-16900-17000-17100-17200-17300-17400-17500-17600-17700-17800-17900-18000-18100-18200-18300-18400-18500-18600-18700-18800-18900-19000-19100-19200-19300-19400-19500-19600-19700-19800-19900-20000-20100-20200-20300-20400-20500-20600-20700-20800-20900-21000-21100-21200-21300-21400-21500-21600-21700-21800-21900-22000-22100-22200-22300-22400-22500-22600-22700-22800-22900-23000-23100-23200-23300-23400-23500-23600-23700-23800-23900-24000-24100-24200-24300-24400-24500-24600-24700-24800-24900-25000-25100-25200-25300-25400-25500-25600-25700-25800-25900-26000-26100-26200-26300-26400-26500-26600-26700-26800-26900-27000-27100-27200-27300-27400-27500-27600-27700-27800-27900-28000-28100-28200-28300-28400-28500-28600-28700-28800-28900-29000-29100-29200-29300-29400-29500-29600-29700-29800-29900-29999